**Update Log-Neptune3Pro&Plus&Max**

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## Compatibility

|  |  |
| --- | --- |
| UI version | Board Firmware version |
| 1.4 | 1.x.4-1.x.5.1 |
| 1.5-Beta | 1.x.5.2-1.x.5.3 |

## Reminder:

1. Neptune3Pro&Plus&Max used the same screen firmware, and the screen firmware version was the same.
2. The motherboard firmware of Neptune3Pro&Plus&Max was compiled in the same source code, so the update log was the same. The firmware version is named 1.x.1.1, where ‘x’ represents the machine model, 1 represents Neptune3pro, 2 represents Neptune3Plus, and 3 represents Neptune3Max.
3. After updating the motherboard firmware, the leveling data will be reset. You need to reset the leveling data and set the Z offset before printing.
4. After reloading the board firmware, the leveling value will be reset. You need to re-level and set the Z offset before printing.

## Screen firmware update log

### UI Version : 1.4

1. Fix the problem of display crash and jam.
2. Add the blue screen prompt after detecting screen error.
3. Add screen standby function: On the home screen, tap【Settings】【Advanced Settings】. Then click the brightness bar next to "Little Sun" to convert to "moon" to enable. The brightness will automatically dim after 3 minutes.
4. Fixed some known bugs.

### UI Version: 1.5-Beta

1. Optimize on the basis of 1.4.

2. Add XYZ coordinate system on the home page.

3. Z-coordinate display precision to the percentile.

4. There is a compatibility problem with mainboard firmware earlier than 1.x.5.2, but it does not affect actual printing.

5. This version is beta and will continue to improve and add more features.

## Board firmware update log

### Board Firmware Version : 1.x.4

1. Add SD card read/write error warning.
2. Modify the default maximum acceleration: X1100 Y900 Z100 E1500.
3. Enable: Host Action Commands.
4. Enable: Hotbed PID, default value: M304 P97.10 I1.41 D1675.16.
5. Repair the error content of the hot end minimum temperature error displayed.

### Board Firmware Version : 1.x.4.1

1. Optimize on the basis of 1.x.4.
2. Disable: Hotbed PID.
3. which will solve the problem of frequent flickering of lights in 1.x.4 firmware.
4. After the printing is done, the Y-axis may have a backward problem when pulling out the TF card (This has been optimized a little.)

### Board Firmware Version : 1.x.5

1. Optimize on the basis of 1.x.4.1.
2. Enable：M303 - PID autotune.
3. Starting height of power recovery: more than 2mm.
4. Default Z Fade Height: 2mm. Reference: https://marlinfw.org/docs/gcode/M420.html
5. Support Gcode-M600 code to achieve pause.
6. Optimize the position of operation stop printing.
7. Fix some known bugs.

### Board Firmware Version : 1.x.5.1

1. Improvements from 1.x.5.
2. Enable: Linear Pressure Control V1.5 ,Default value: K0.0.

### Board Firmware Version : 1.x.5.2

1. Improvements from 1.x.5. 1.
2. Fix the bug:Platform moving backward after removing TF card.
3. Fix the bug: When starting the machine, the screen keeps showing the "Update firmware" interface.
4. Fix the bug:The screen is powered off and the files in the file selection list are lost after being powered on again.

### Board Firmware Version : 1.x.5.3

1. Improvements from 1.x.5. 2.
2. Optimize read/write card.